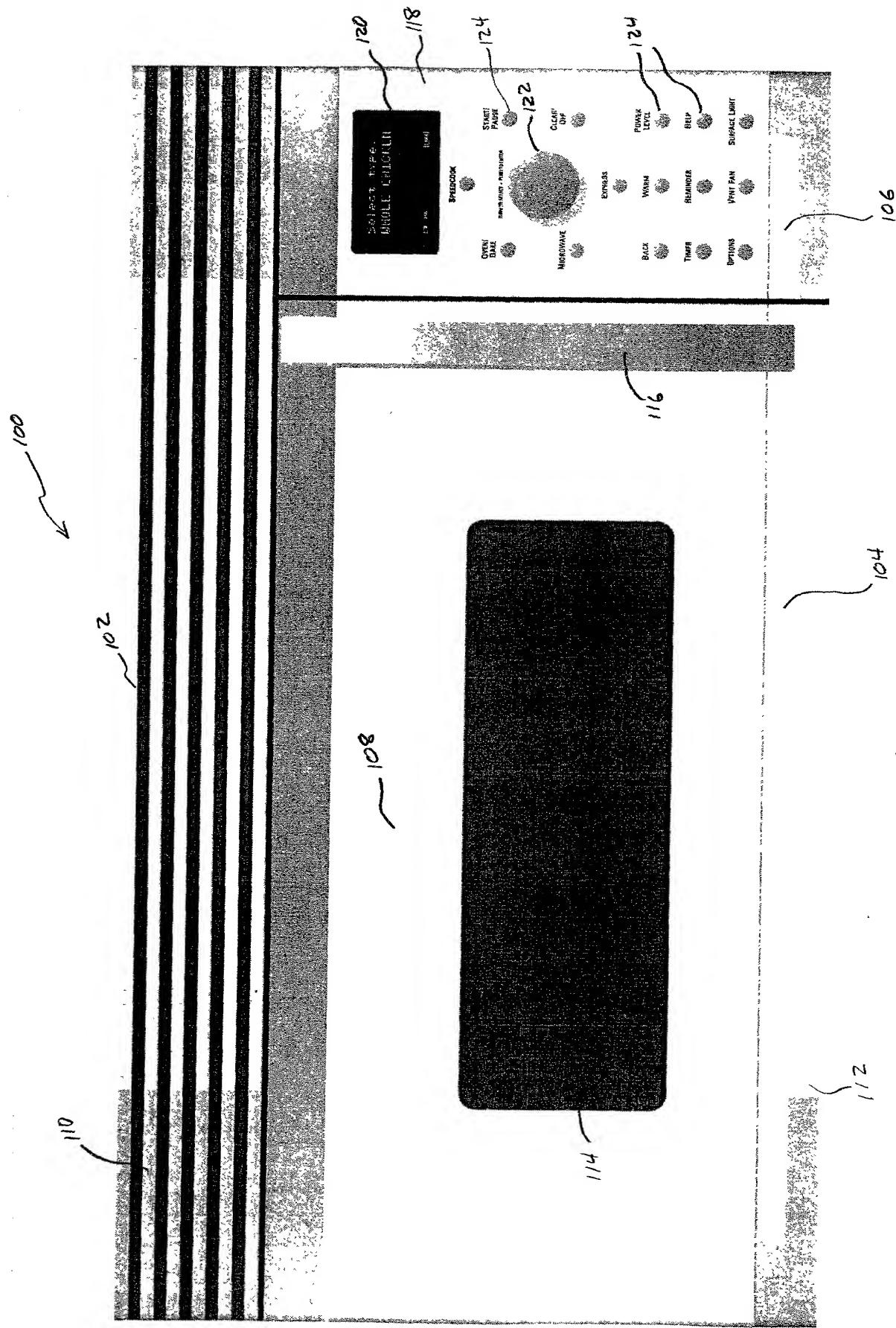


FIG. 1



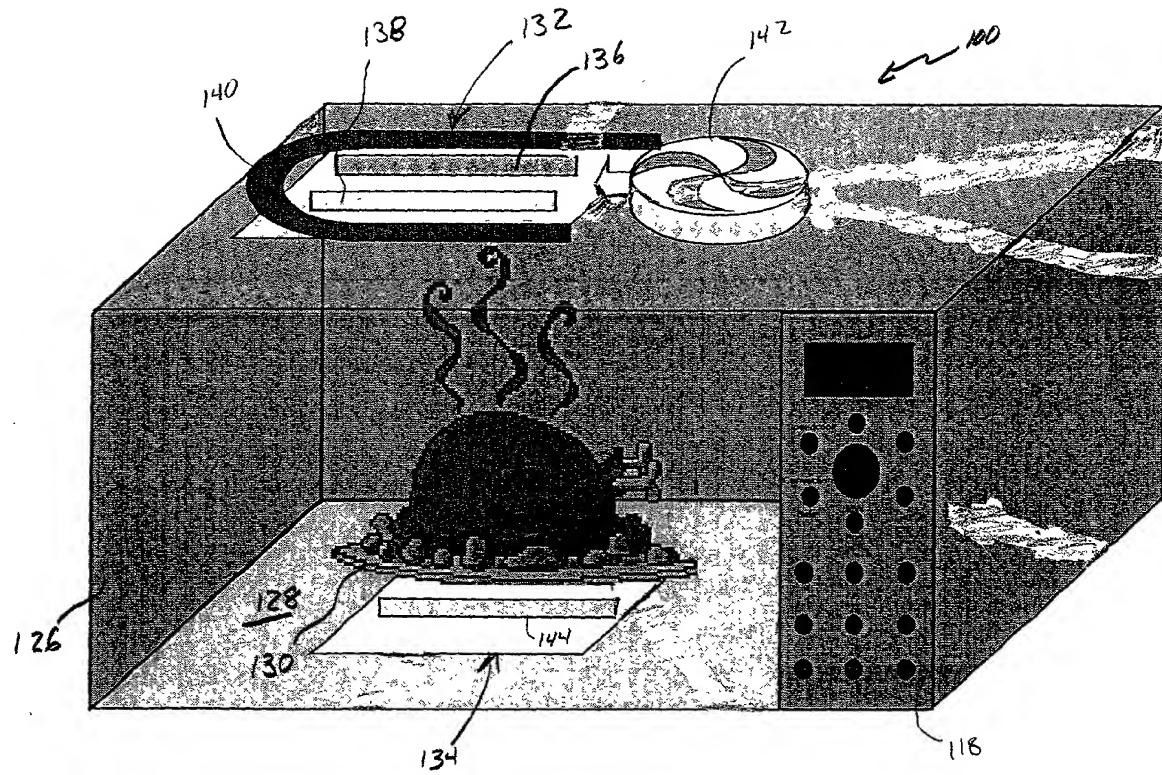


FIG. 2

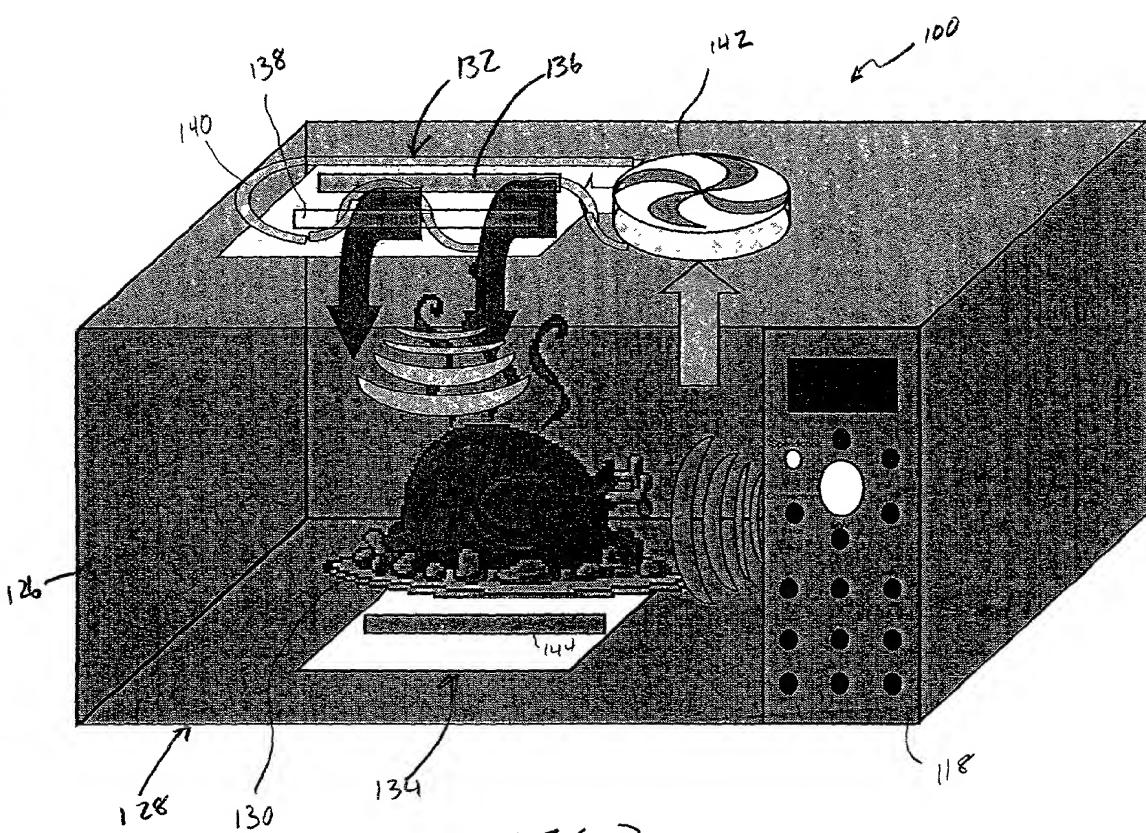
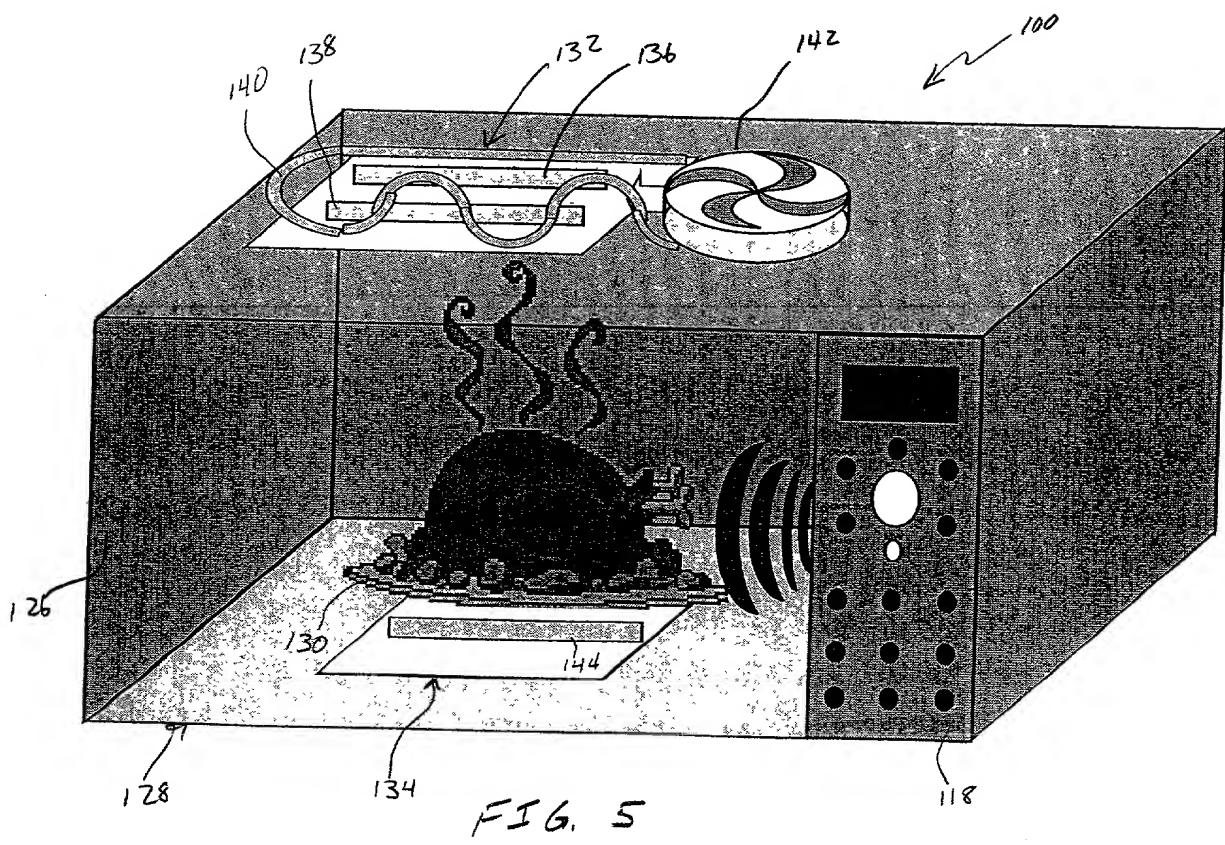
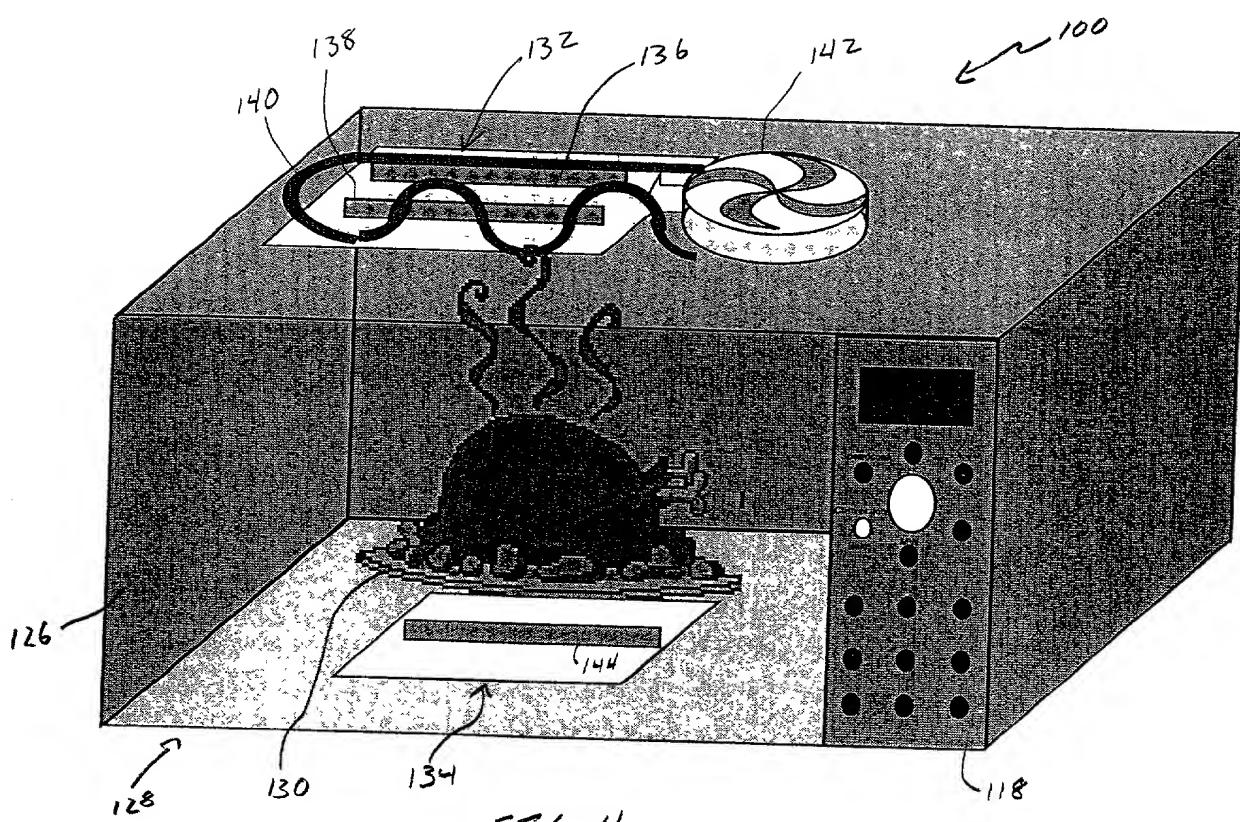


FIG. 3



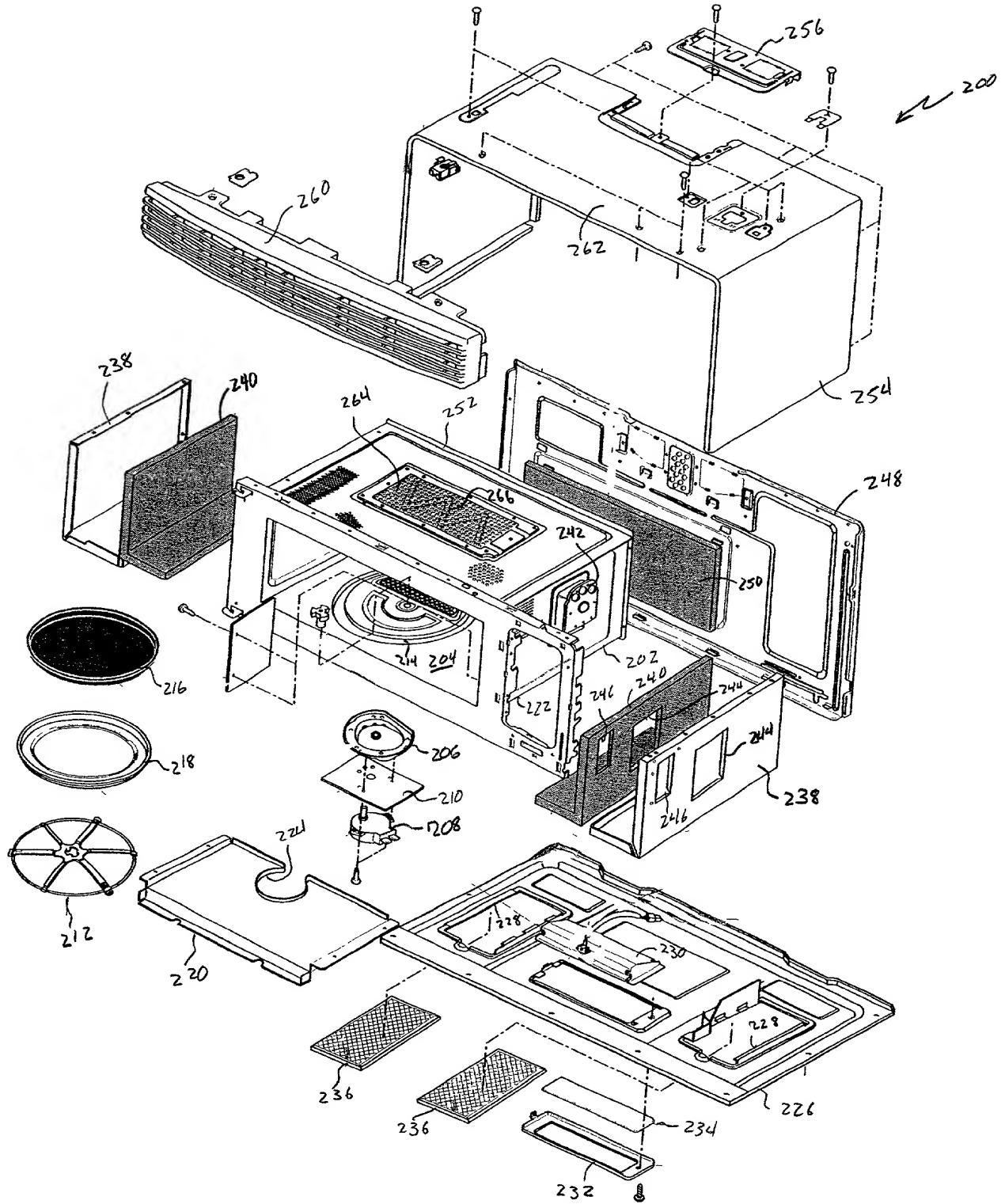


FIG. 6

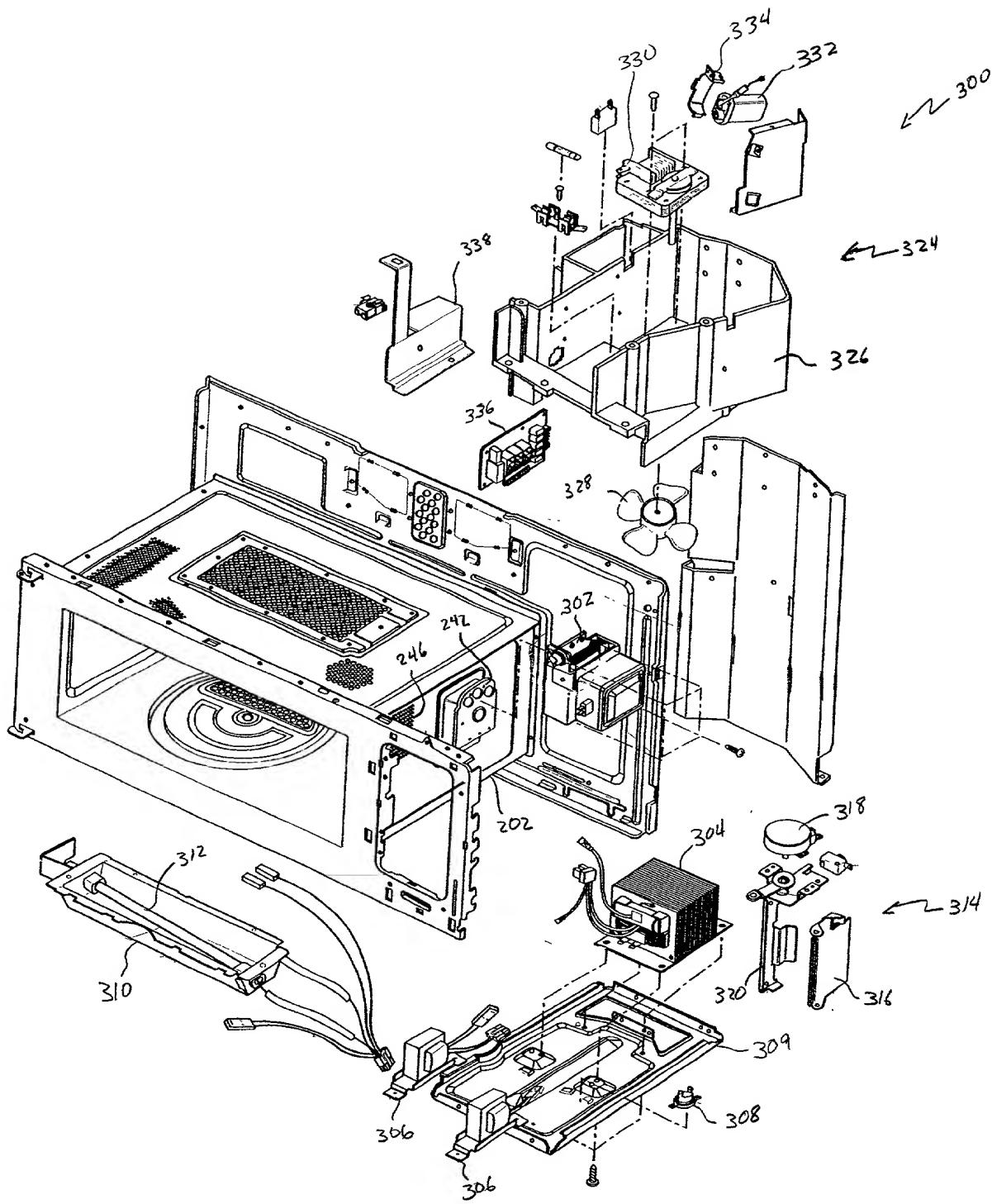


FIG. 7

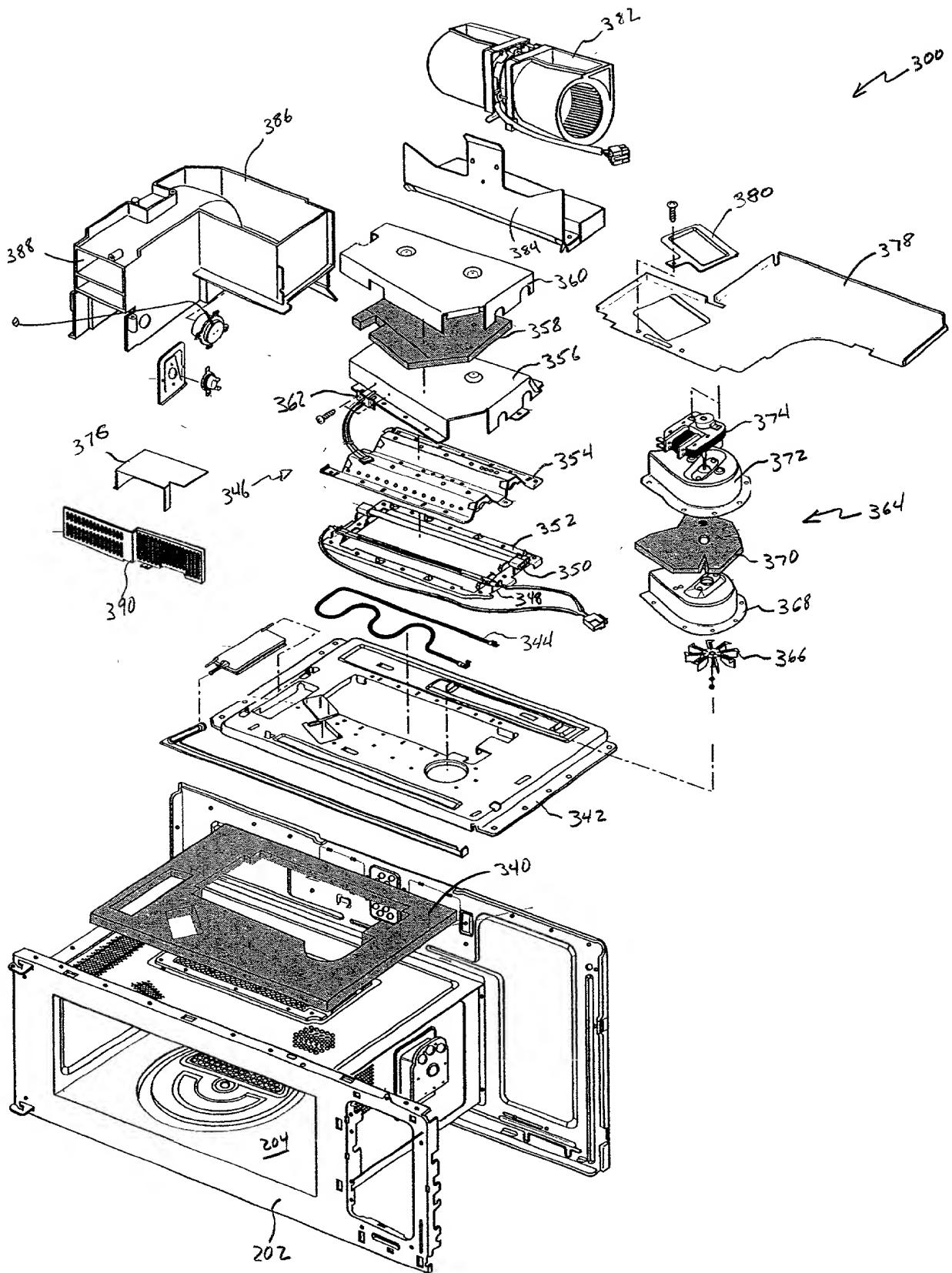


FIG. 8

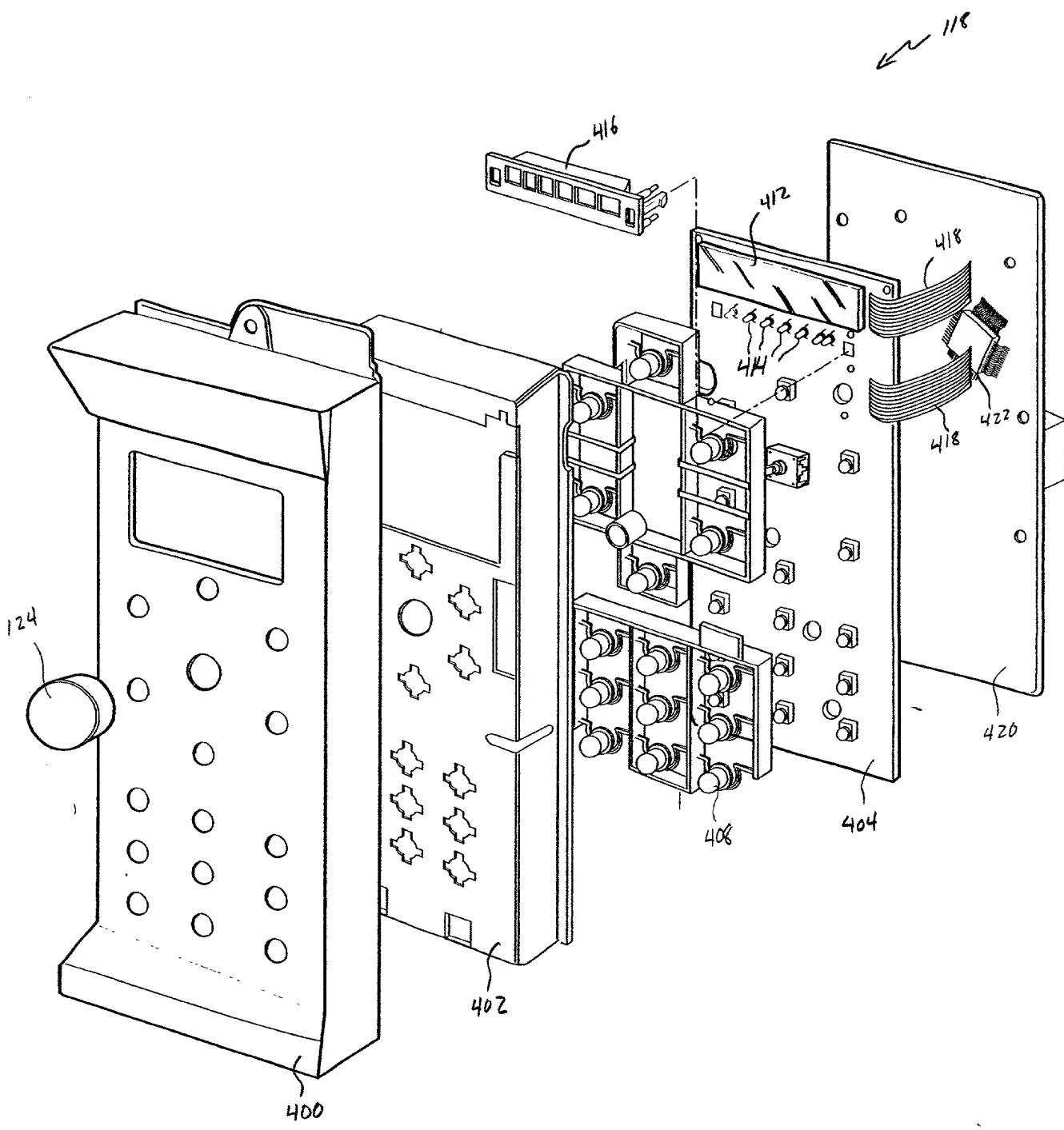


FIG. 9

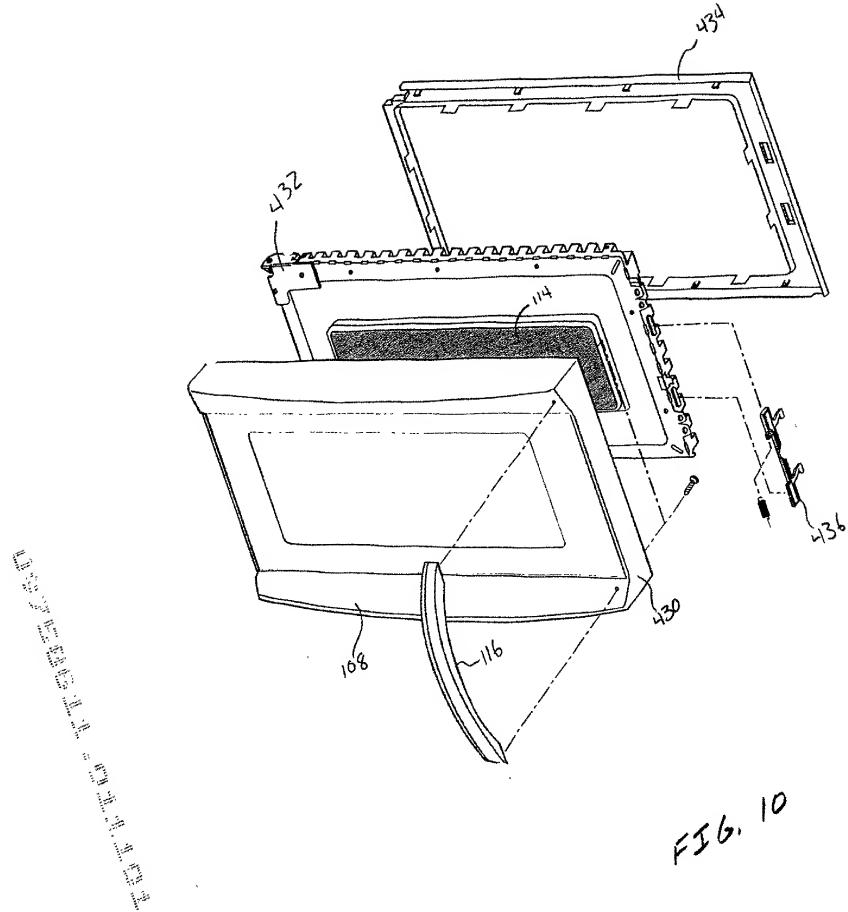


FIG. 10

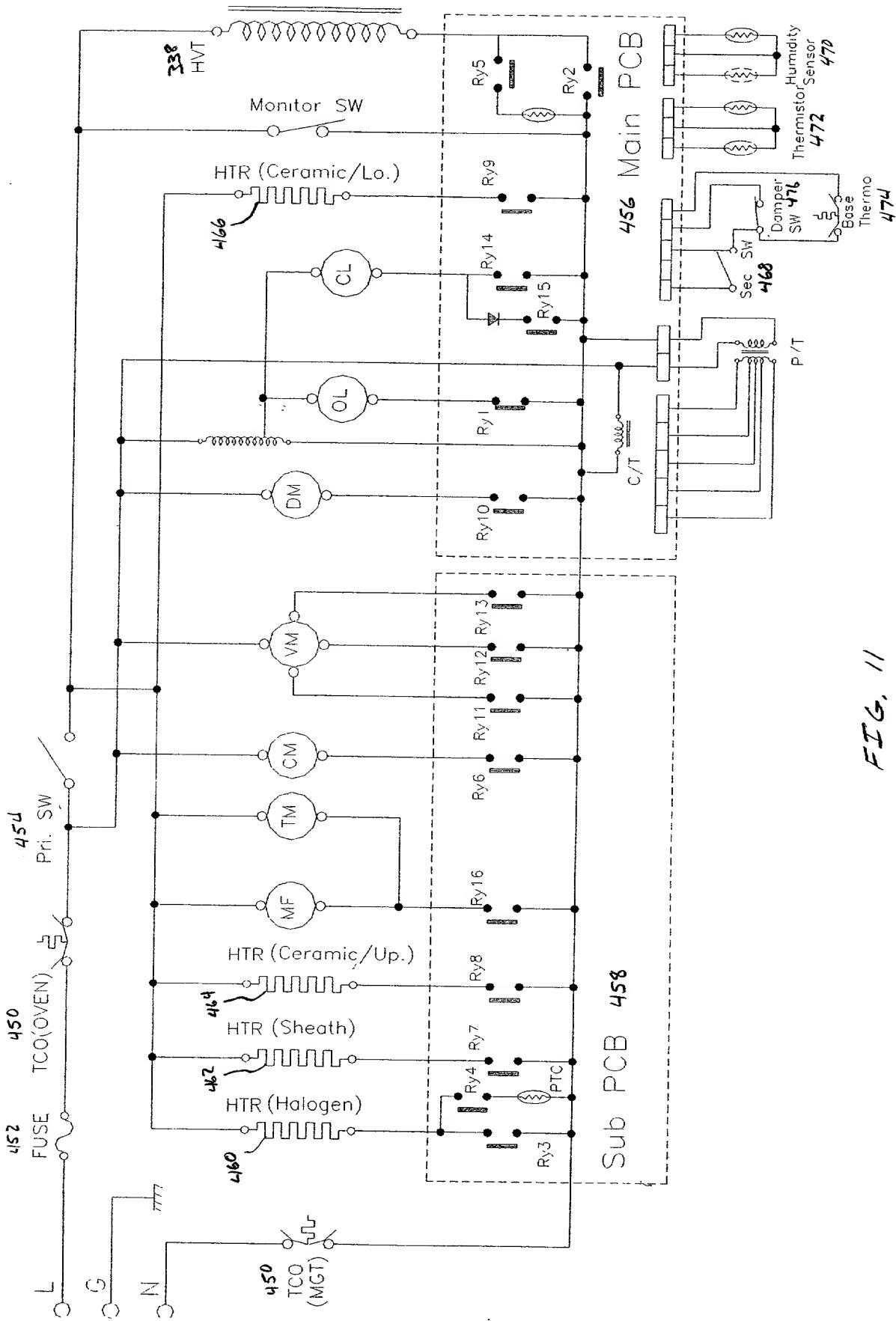


FIG. 11

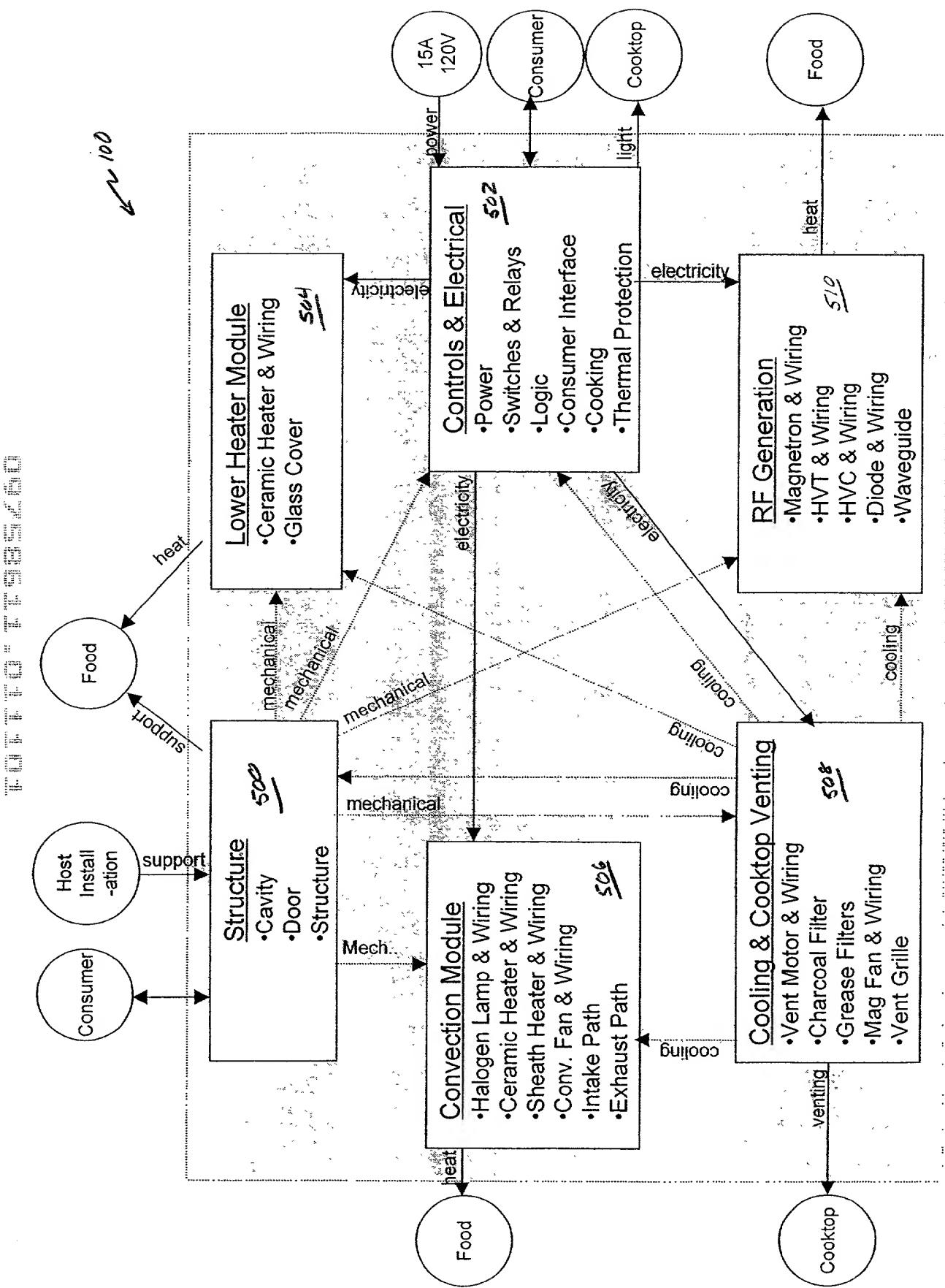
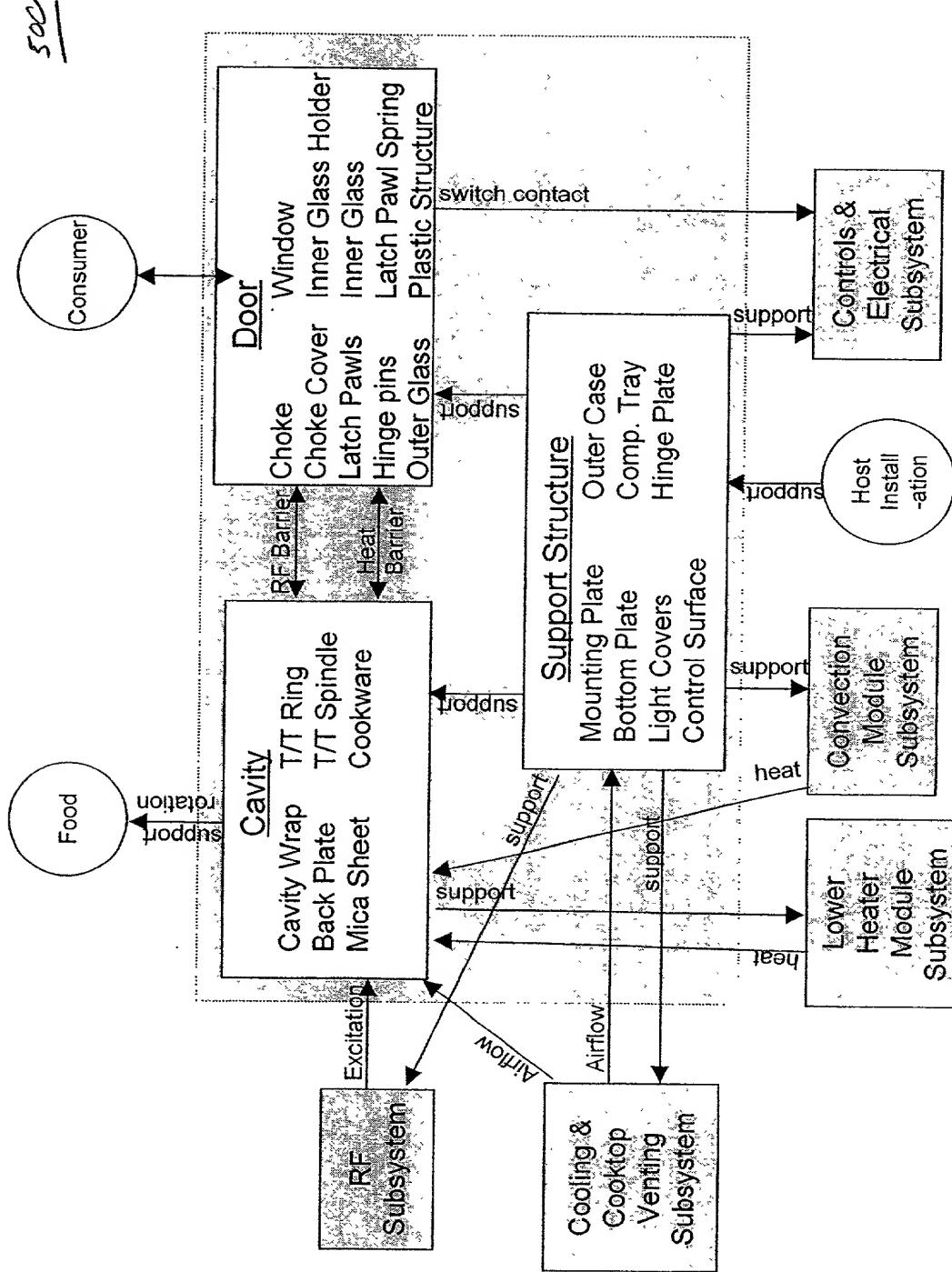


FIG. /3



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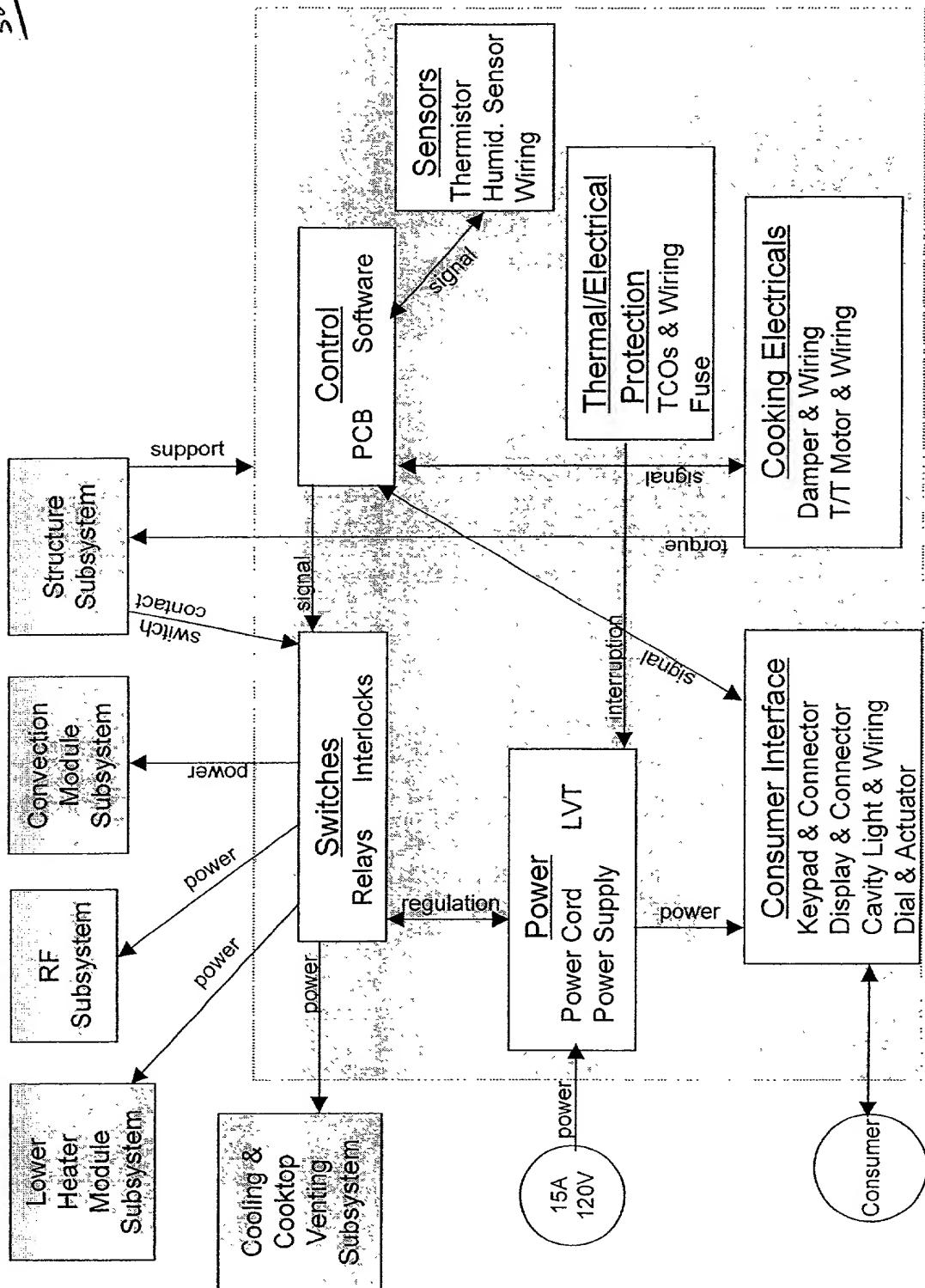


FIG. 14

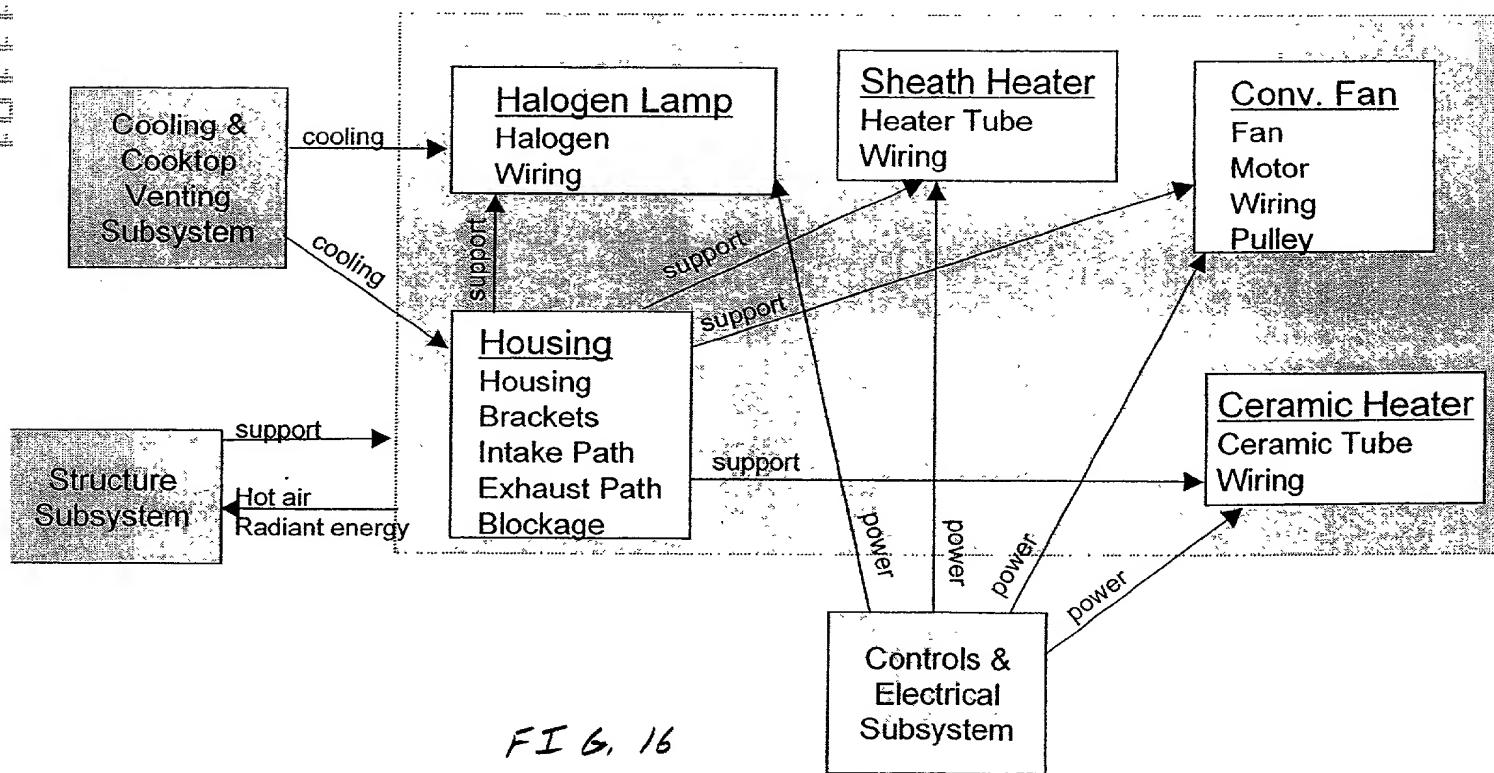
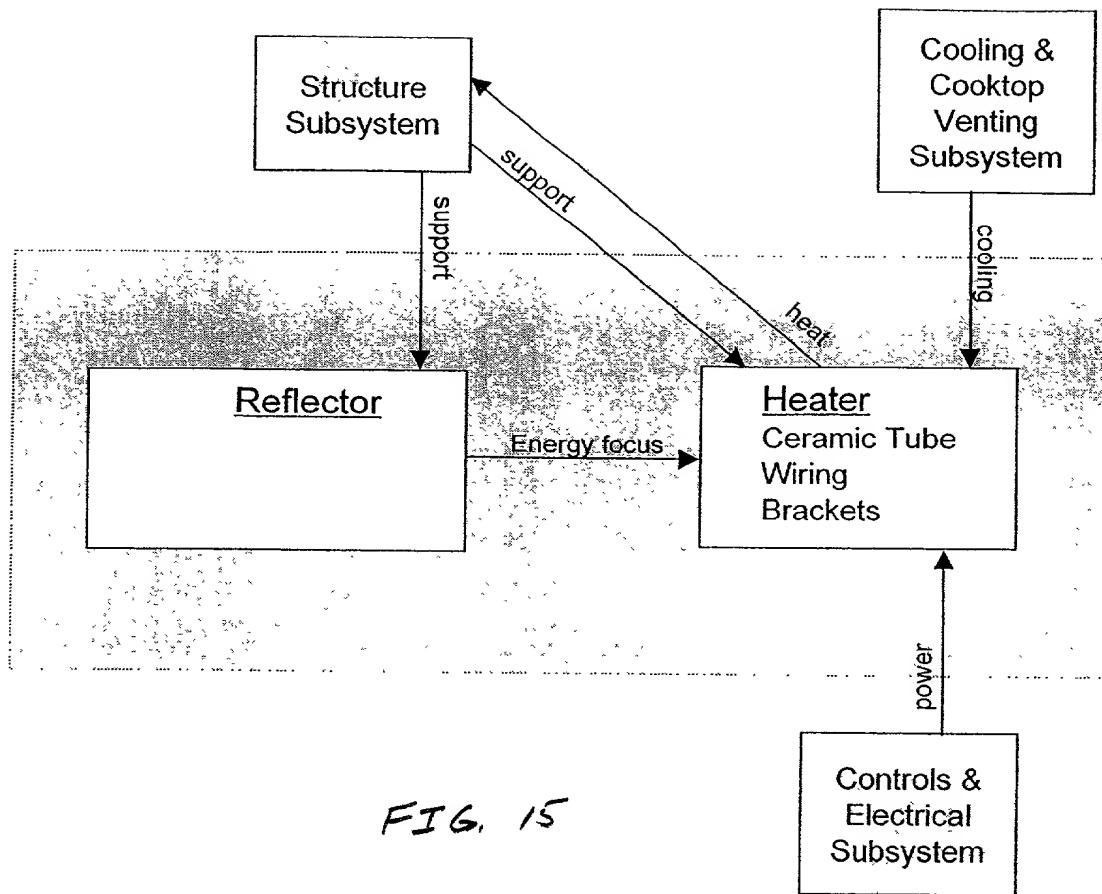
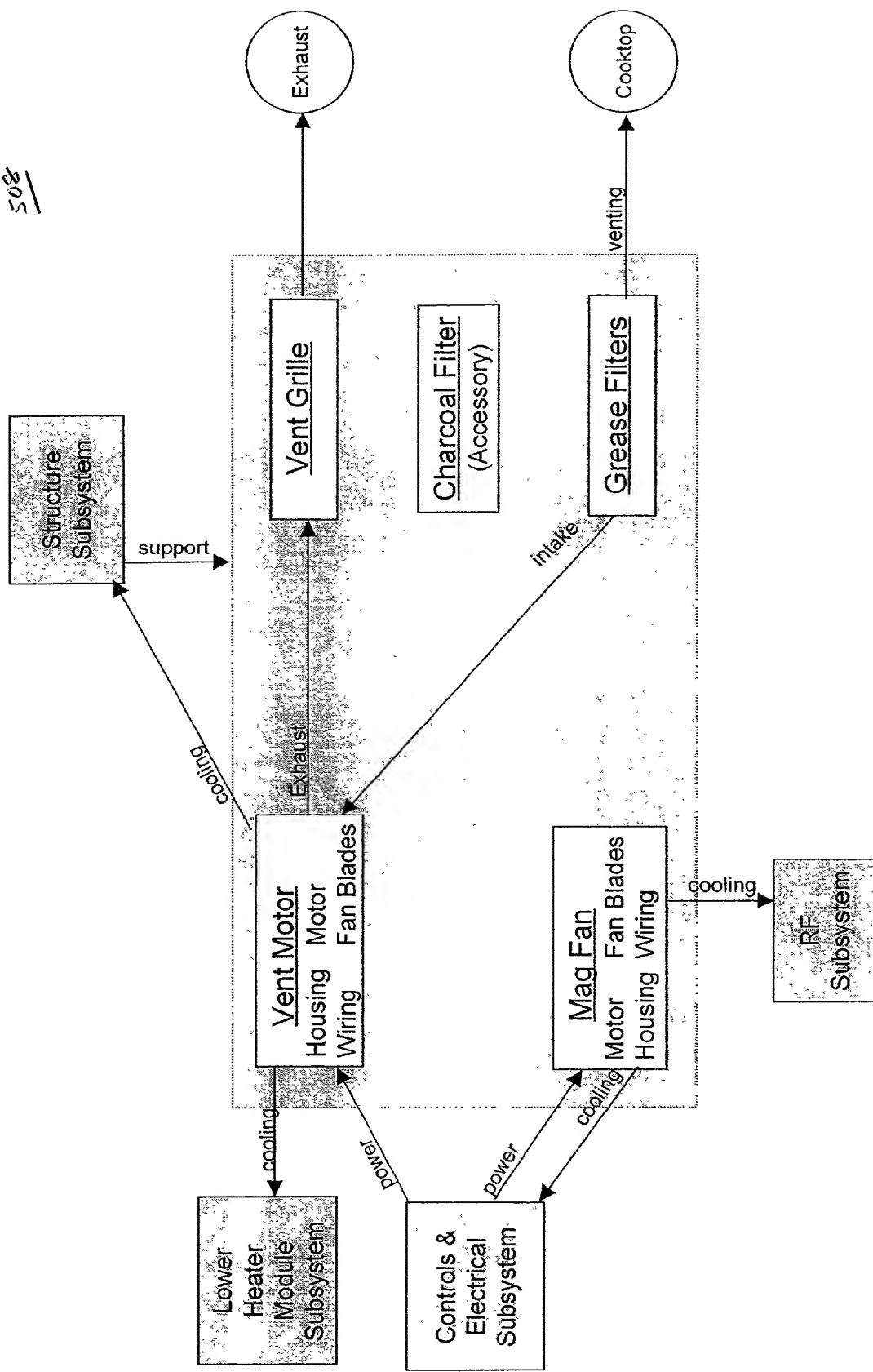


FIG. 17



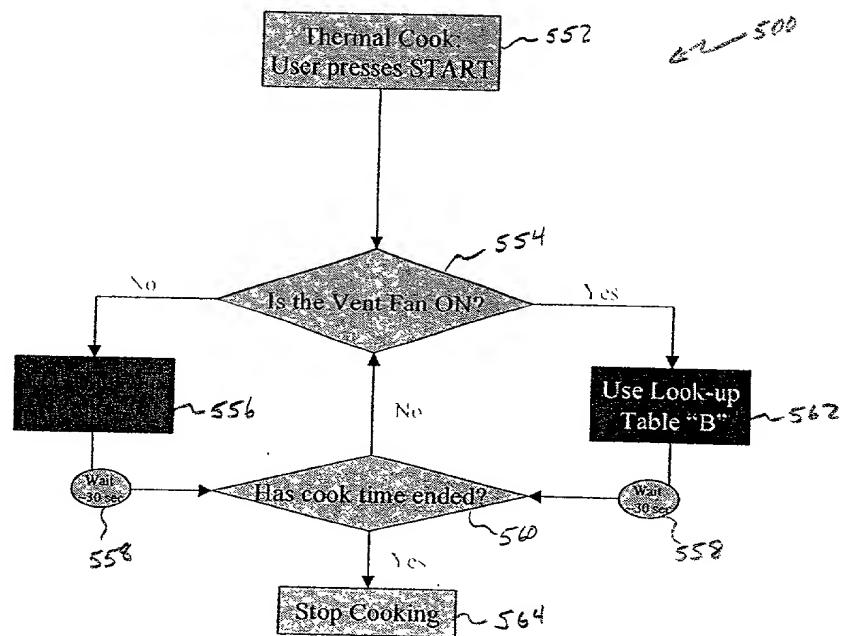
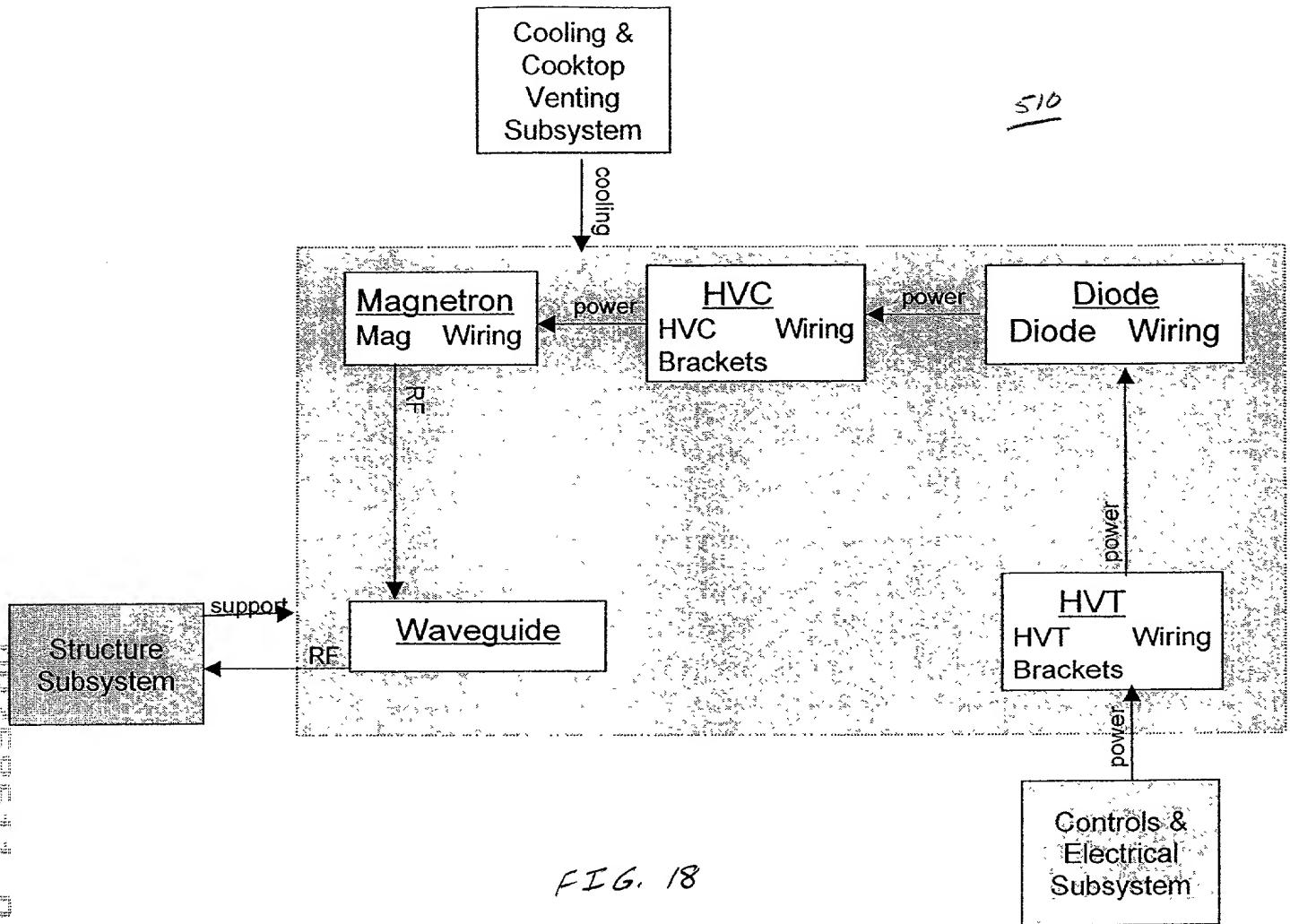
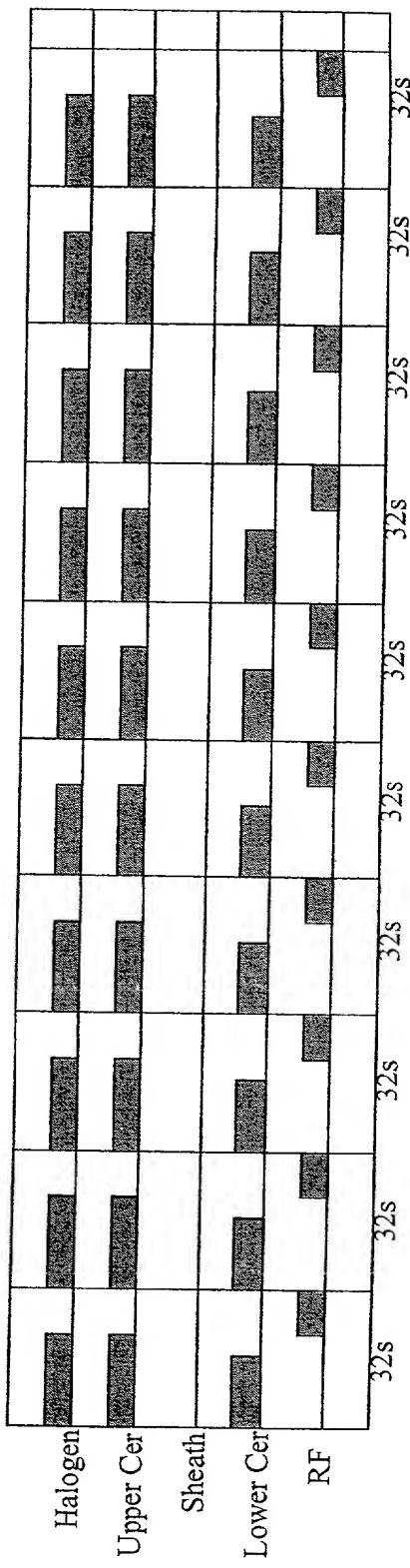
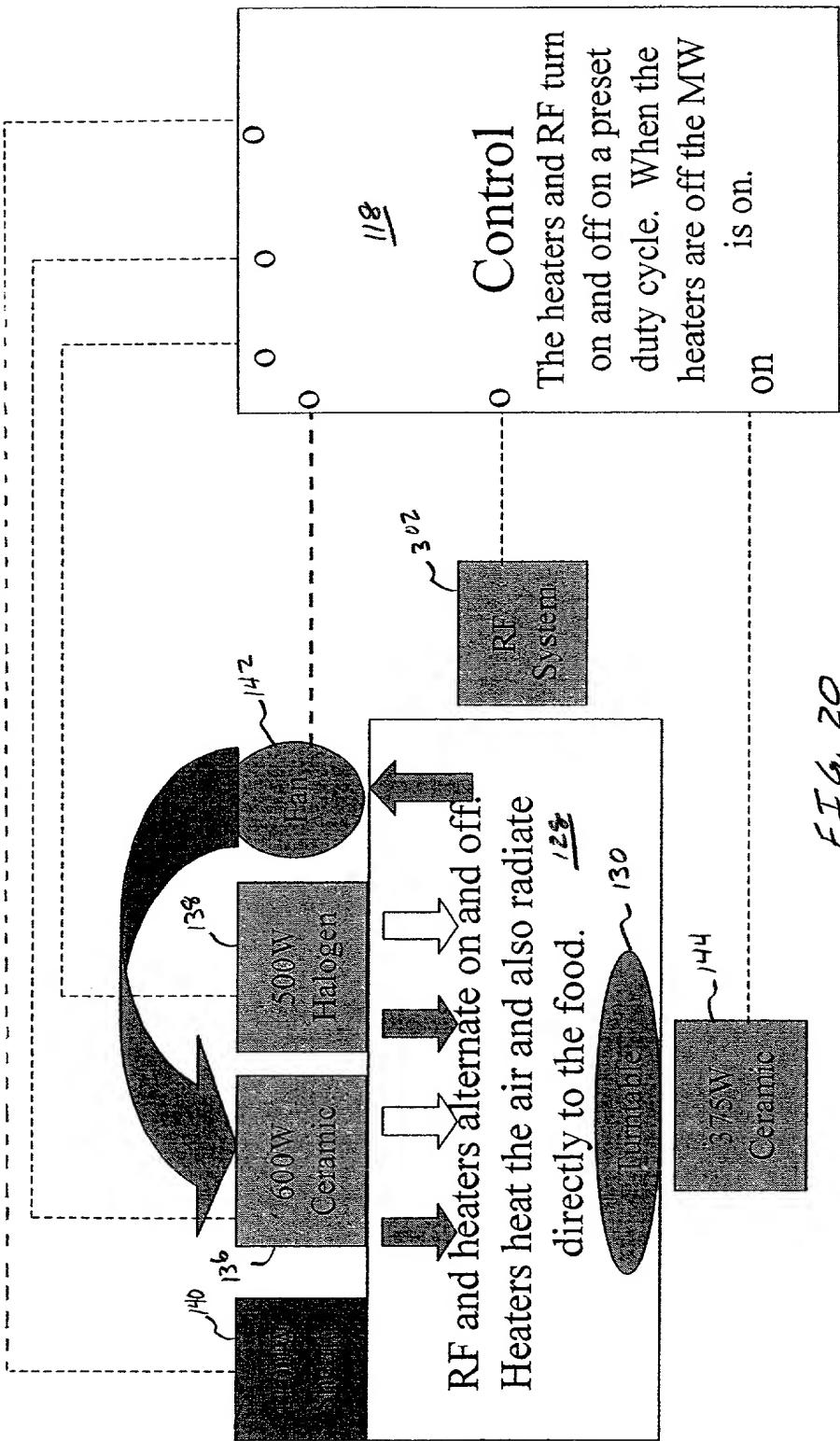


FIG. 19



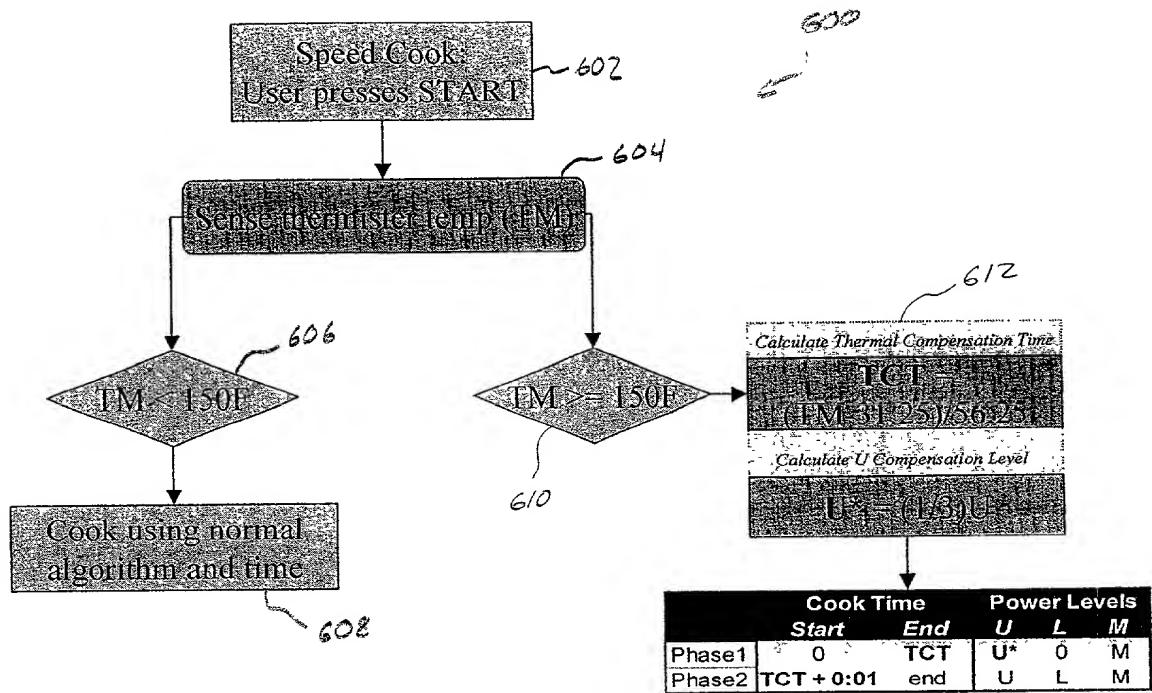


FIG. 22

TCT		
TM (initial cavity T)	Min	Sec
150	2	7
175	2	33
200	3	0
225	3	27
250	3	53
275	4	20
300	4	47
325	5	13
350	5	40
375	6	7
400	6	33
425	7	0
450	7	27

FIG. 23

PHASE1 (Compensated) Algorithms

USER INPUT		OUTPUT		
<i>U</i>	<i>L</i>	<i>U*</i>	<i>L</i>	<i>MW</i>
<i>H</i>	<i>H</i>	11	0	0
	<i>L</i>	11	0	0
<i>MH</i>	<i>H</i>	11	0	0
	<i>L</i>	11	0	0
<i>M</i>	<i>H</i>	9	0	4
	<i>L</i>	9	0	4
<i>ML</i>	<i>H</i>	9	0	6
	<i>L</i>	7	0	10
<i>L</i>	<i>H</i>	6	0	14
	<i>L</i>	3	0	22

FIG. 24

PHASE2 (Normal) Algorithms

USER INPUT		OUTPUT		
<i>U</i>	<i>L</i>	<i>U</i>	<i>L</i>	<i>MW</i>
<i>H</i>	<i>H</i>	32	32	0
	<i>L</i>	32	25	0
<i>MH</i>	<i>H</i>	32	22	0
	<i>L</i>	32	20	0
<i>M</i>	<i>H</i>	28	28	4
	<i>L</i>	28	20	4
<i>ML</i>	<i>H</i>	26	22	6
	<i>L</i>	22	22	10
<i>L</i>	<i>H</i>	18	18	14
	<i>L</i>	10	10	22

FIG. 25

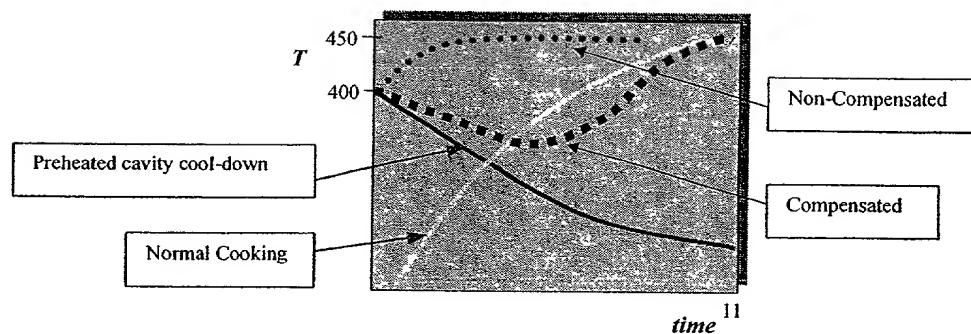


FIG. 26

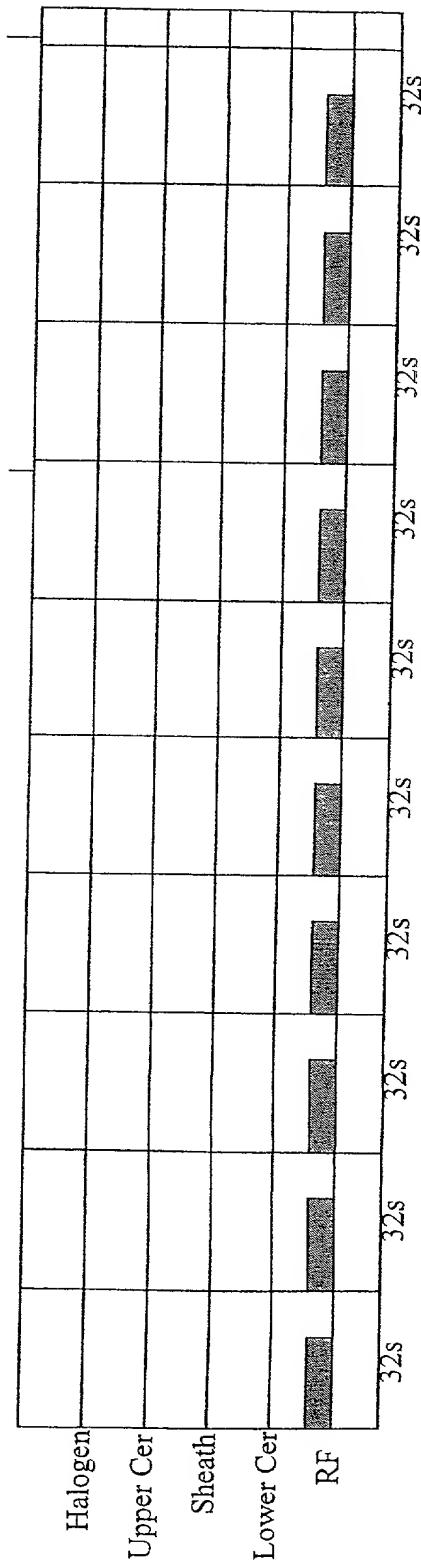
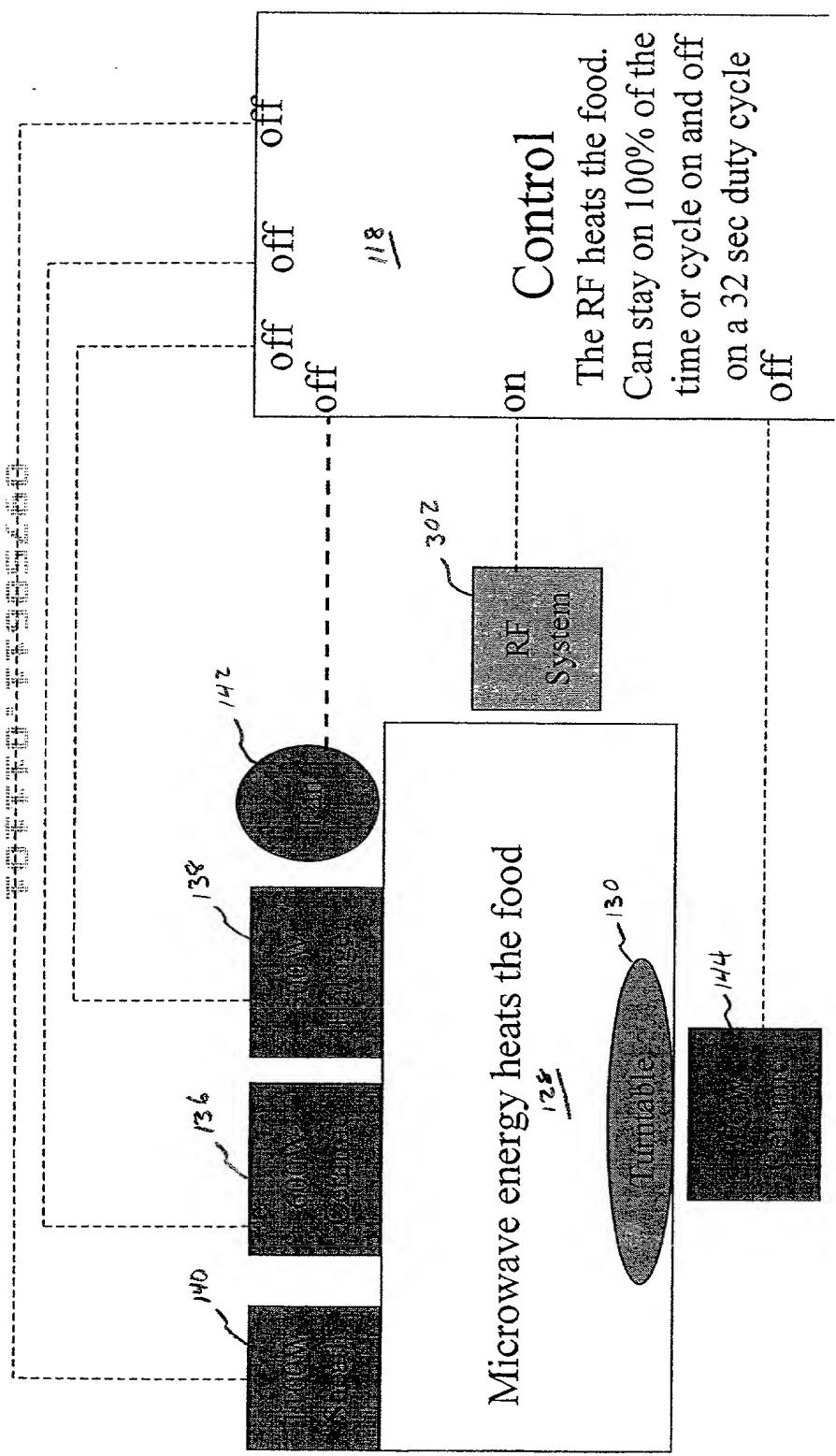


FIG. 28

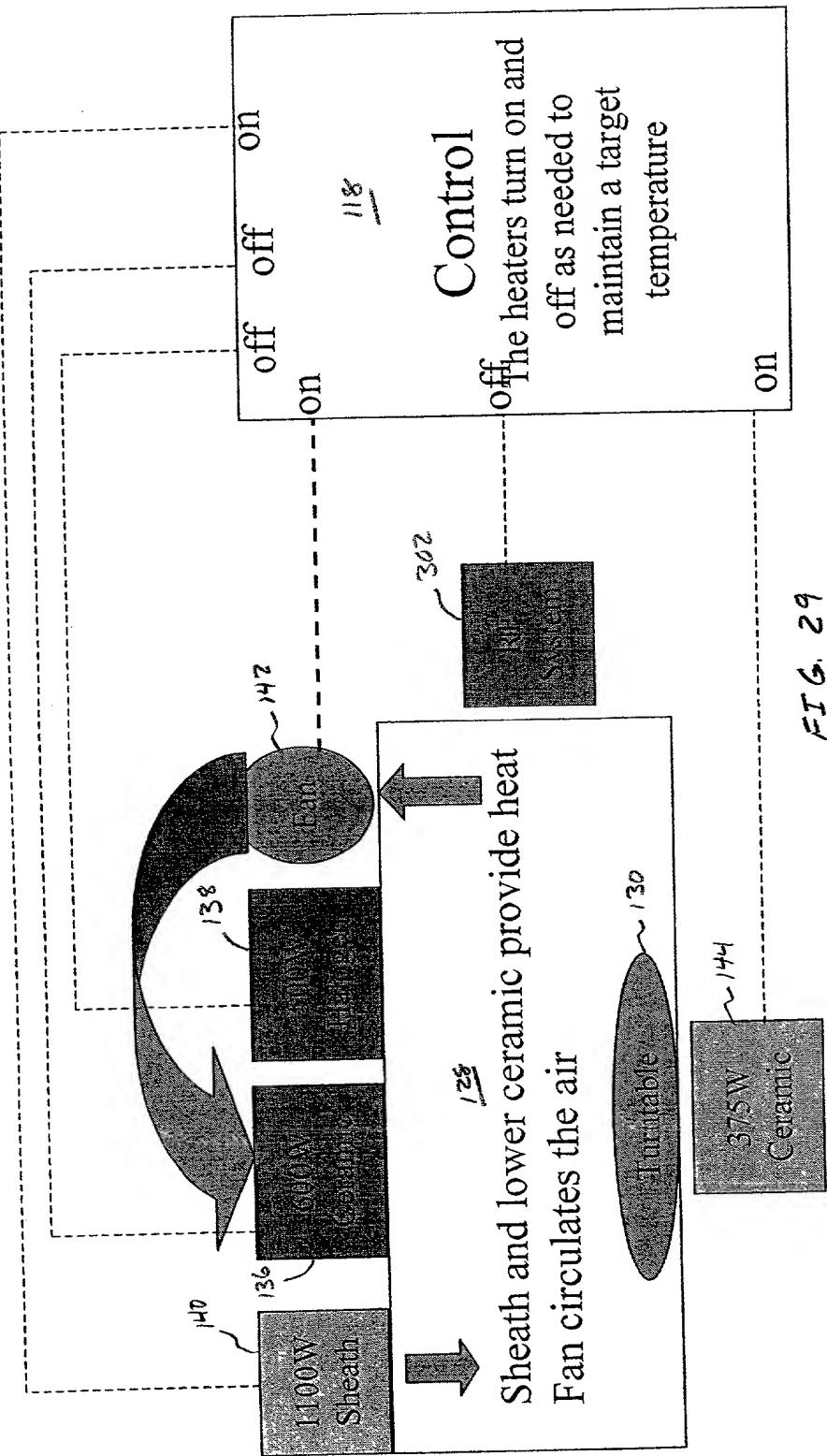


FIG. 29

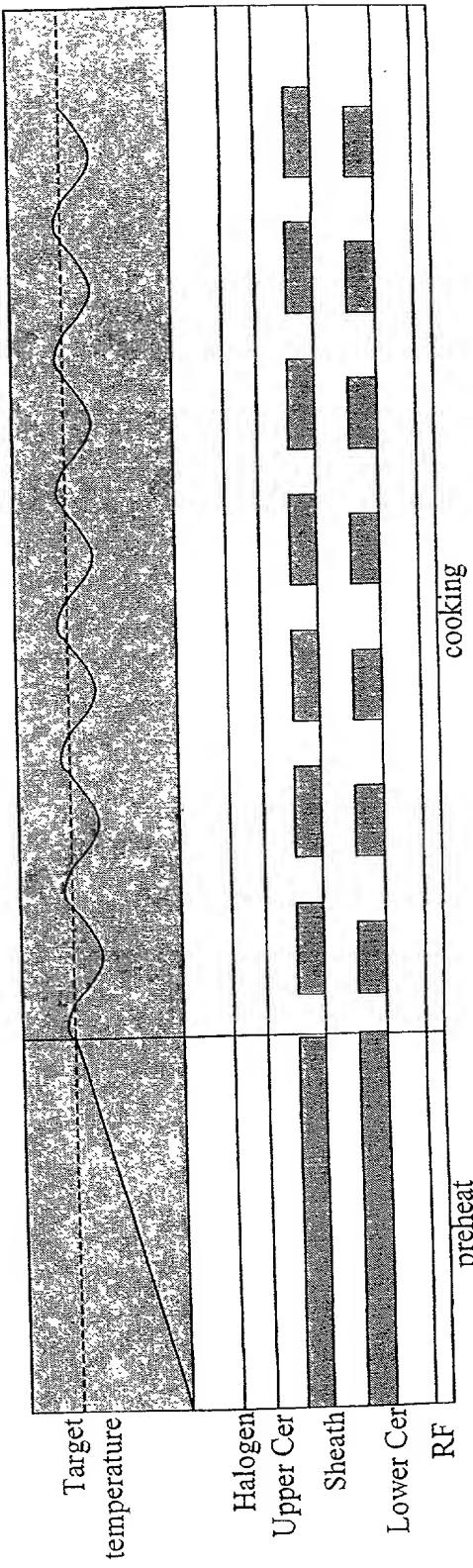


FIG. 30